

**U.S. DEPARTMENT OF LABOR
WORKPLACE STANDARDS ADMINISTRATION
BUREAU OF LABOR STANDARDS
MATERIAL SAFETY DATA SHEET**

FEB 09 1982

FORM NO OSHA-20 (MODIFIED)
MAY 1971

DPM 5387
MDC CONTROL NO. _____

SECTION I: MATERIAL AND MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME Pennwalt Corporation		EMERGENCY TELEPHONE NO. (215) 587-7000
ADDRESS (NUMBER, STREET, CITY, STATE AND ZIP CODE) Three Parkway, Philadelphia, PA 19102		
CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS 780A	
CHEMICAL FAMILY Coating Remover	FORMULA	

SECTION II: HAZARDOUS INGREDIENTS*

PAINTS, PRESERVATIVES/SOLVENTS	%	TLV (UNITS)	ALLOYS AND METALLIC COATINGS	%	TLV (UNITS)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES*				%	TLV (UNITS)
Methylene Chloride				Max.	70

SECTION III: PHYSICAL DATA

BOILING POINT (°F)		SPECIFIC GRAVITY (H ₂ O = 1)	1.13
VAPOR PRESSURE (mm Hg.)		PERCENT VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR = 1)		EVAPORATION RATE (_____ = 1)	
SOLUBILITY IN WATER	Slight		

APPEARANCE AND ODOR

Light tan semi-viscous liquid

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED) None to boiling point	FLAMMABLE LIMITS	LeI	Uel
EXTINGUISHING MEDIA CO₂, Foam, Dry Chemical			
SPECIAL FIRE FIGHTING PROCEDURES None			

UNUSUAL FIRE AND EXPLOSION HAZARDS

None

*PLEASE DO NOT USE GENERALIZATIONS, SUCH AS PETROLEUM HYDROCARBONS, ALCOHOL, KETONES.
USE SPECIFIC CHEMICAL NAMES, SUCH AS METHANOL, BENZENE, PERCHLOROETHYLENE.

SECTION V: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

EFFECTS OF OVEREXPOSURE

May be irritating to skin. Can be corrosive to eyes.

EMERGENCY AND FIRST AID PROCEDURES

Wash off skin area. If in eyes, flush for 15 min.

with plenty of water and consult a physician.

SECTION VI: REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	

INCOMPATIBILITY (MATERIALS TO AVOID)

HAZARDOUS DECOMPOSITION PRODUCTS

Chlorides

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII: SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Soak up spill with absorbent and allow
to evaporate.

WASTE DISPOSAL METHOD

Dump into landfill area and allow to evaporate.

SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE)

Use adequate ventilation.

VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL (GENERAL)	OTHER

PROTECTIVE GLOVES

Rubber

EYE PROTECTION

Goggles

OTHER PROTECTIVE EQUIPMENT

SECTION IX: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store indoors with container closed. Keep

away from heat.

OTHER PRECAUTIONS

PREPARED BY

DATE

DPM#
5387

1. PRODUCT NAME, NUMBER, SYN/ M: 780A
2. MANUFACTURER'S NAME: Pennwalt Corporation
3. MANUFACTURER'S ADDRESS: Three Parkway, Philadelphia, Pa. 19101
4. PROCEDURE IN CASE OF BREAKAGE OR LEAKAGE: Flush with water.
5. TRANSPORTATION AND STORAGE REQUIREMENTS: Store out of sun.
6. FIRST AID TREATMENT:
 - A. SKIN CONTACT: Flush with water, wash with soap and water.
 - B. EYE CONTACT: Flush with water for 15 minutes and consult a physician.
 - C. INHALATION: Obtain fresh air or oxygen
 - D. ANTIDOTE IN CASE OF SWALLOWING: Consult a physician.
7. PHYSIOLOGICAL PROPERTIES:
 - A. ACUTE ORAL TOXICITY: Moderate to High: As defined by N. Irving Sax, Dangerous Properties of Industrial Materials
 - B. LOCAL EFFECTS UPON EYES: Corrosive and defatting
 - C. LOCAL EFFECTS UPON SKIN: defatting
 - D. ESTIMATE OF ACUTE HAZARD BY INHALATION (VOLATILE MATERIALS): Moderate to high: As defined N. Irving Sax, Dangerous Properties of Industrial Materials
 - E. WARNING PROPERTIES (ODOR, IRRITATION TO EYES, NOSE OR THROAT): Odor of methylene chloride
 - F. ESTIMATED THRESHOLD LIMIT VALUE (IF NOT ON CURRENT LIST BY AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS): Based on the assumption that all the solvents would evaporate into the air, the estimated TLV would be 90-100 ppm. In production all the solvents do not evaporate into the air.
8. CHEMICAL AND PHYSICAL PROPERTIES:
 - A. SPECIFIC GRAVITY (WATER = 1) 1.16
 - B. VAPOR DENSITY (AIR = 1) over 2.0
 - C. VAPOR PRESSURE mm Hg AT 25°C. -----
 - D. pH 8-9
 - E. CORROSIVE ACTION ON COMMON MATERIALS SUCH AS: ALUMINUM, MAGNESIUM, PLEXIGLAS, RUBBER, LACQUERS, ENAMELS, FABRICS:

Safe on aluminum, magnesium, steel.

Not safe on paints, plexiglas and fabrics.

F. DOES THE MATERIAL DECOMPOSE WHEN EXPOSED TO AIR? WATER? HEAT? STRONG OXIDIZERS? Do not expose to
strong oxidizers.

G. FOR MIXTURES GIVE THE PERCENTAGE COMPOSITION OF INGREDIENTS:

COMPOUND	PERCENT
Methylene Chloride	more than 50%
Cellulose thickeners & wax	less than 2%
Methyl alcohol	6-10
Wetting agents (anionic & nonionic)	3-7
Dichloromethyl ether	5-10
Methyl Isobutyl Ketone	5-10

NOTE: GENERALIZATIONS SUCH AS PETROLEUM HYDROCARBONS, ALCOHOL, KETONES, CHLORINATED HYDROCARBONS, ETC., ARE NOT ADEQUATE FOR TOXICOLOGICAL EVALUATION. PROPER CHEMICAL NAMES MUST BE KNOWN.

H. DOES THE MATERIAL GENERATE HEAT THROUGH POLYMERIZATION OR CONDENSATION? No

9. PRECAUTIONS FOR NORMAL CONDITIONS OF USE: Use with adequate ventilation

10. RECOMMENDED PROTECTIVE EQUIPMENT: Face shield and goggles, rubber gloves,
and apron.

11. A. FLASHPOINT °F; CLOSED CUP _____; OPEN CUP over 110 F ^{DAC data = F.P. (TOC) = 100°F}; IF F.P. CHANGES DURING EVAPORATION GIVE DATA:

No Flashpoint up to and including its boiling point of 105-110 F,

COC. It did exhibit a "Halo" effect from the chlorinated solvent at
95-100 F-This is not a true flash point.

B. EXPLOSIVE LIMITS (% VOL. AIR): LOWER _____; UPPER _____

C. SUSCEPTIBILITY TO SPONTANEOUS HEATINGS: YES _____; NO xxxxxx

D. FIRE POINT °F over 110 F; AUTO IGNITION TEMPERATURE °F over 600 F

E. VAPOR DENSITY over 2.0

F. WHAT PRODUCTS MIGHT BE FORMED IN THE EVENT OF FIRE OR ABNORMAL TEMPERATURES? Phosgene
from methylene chloride

G. SUITABLE EXTINGUISHING AGENTS: Water, CO₂, Sand.

12. INFORMATION FURNISHED BY: Leo Corcoran

TITLE: Project Leader

COMPANY: Pennwalt Corporation

ADDRESS: 900 First Avenue, King of Prussia, Pa. 19406

DATE: February 12, 1971

NOTE: INFORMATION IN REGARD TO A MATERIAL'S COMPOSITION WILL BE TREATED AS CONFIDENTIAL AND USED FOR THE PURPOSE OF PROTECTING THE HEALTH AND SAFETY OF MCDONNELL DOUGLAS CORP. EMPLOYEES AND THE SAFEGUARDING OF ITS PROPERTY. IT WILL ALSO BE USED FOR THE PURPOSE OF COMPLYING WITH LOCAL, STATE AND FEDERAL ORDINANCES, LAWS AND CODES, AND REQUIREMENTS OF GOVERNMENTAL AGENCIES.

THE COMPLETED FORM SHOULD BE RETURNED TO PURCHASING, DOUGLAS AIRCRAFT DIVISION, LONG BEACH, CALIF. 90801.